

Femtosource Advisory Committee Meeting

Center for Beam Physics

Lawrence Berkeley National Laboratory

Friday December 7th 2001

Committee:

Eric Colby
Gerry Dugan
Roger Falcone
Rick Gough
Glen Lambertson
Alex Ratti

Ross Schleuter
Todd Smith
Christoph Steier
Ron Yourd
Mike Zisman - chair

Charge to the committee:

Evaluate the technical R&D and project development plans for FY'02 accelerator physics and machine design studies, in preparation for producing a feasibility study for an ultra-fast x-ray science facility, with a view to preparing for CDO submission in the following year.

Provide guidance on appropriateness of chosen areas of study given realistic budgets and resources, and suggestions for other directions if appropriate.

Femtosource advisory committee meeting
Friday December 7th, building 71 conference room

Agenda:

- 08:30 *Breakfast, committee pre-meeting*
- 09:00 Bill Barletta - welcome, charge to committee
- 09:05 John Corlett - introduction, overview, FY'02 goals
- 09:40 Sasha Zholents - technical overview
- 10:15 Kem Robinson - project development
- 10:30 *Coffee break*
- 10:50 Derun Li - scrf
- 11:15 Steve Lidia - flat beam production
- 11:40 Shaoheng Wang - rf gun modeling
- 12:05 Bob Rimmer - rf gun design
- 12:30 *Lunch, committee discussions*
- 13:30 Weishi Wan - lattice studies
- 13:55 Jack Tanabe - magnets
- 14:20 Stefano DeSantis - collective effects
- 14:45 John Byrd - synchronization issues
- 15:10 *Refreshments break*
- 15:30 Walter Barry - instrumentation
- 15:55 Phil Heimann - x-ray beamline
- 16:20 John Corlett - recap and future plans
- 16:35 *Committee discussion*